ELSEVIER

Journal of Organometallic Chemistry 586 (1999) 277–279

Journal of Organometallic Chemistry

Contents of Volume 586

Special issue: Dedicated to Professor László Markó on the occasion of his 70th birthday.

Preface 1

Homogeneous transition metal catalysis: from the water gas shift reaction to nuclear waste vitrification
R.B. King 2

Selected reactions of cobalt carbonyl complexes placed under vacuum conditions
R. Tannenbaum, G. Bor 18

The rate and mechanism of oxidative addition of H_2 to the $^{\cdot}Cr(CO)_3C_5Me_5$ radical—generation of a model for reaction of H_2 with the $^{\cdot}Co(CO)_4$ radical
K.B. Capps, A. Bauer, G. Kiss, C.D. Hoff 23

Synthesis and characterization of $FvW_2(CO)_4L_2(SR)_2$ (L = CO, PPh_2Me; R = H, *i*-Pr, CH_2Ph, Ph) type (fulvalene)tungsten dihydrosulfides and dithiolates
I. Kovács, A. Shaver 31

Reaction of cobalt tetracarbonyl hydride with phenylacetylene
T.M. Bockman, J.F. Garst, F. Ungváry 41

Silylations of α,β-unsaturated and aromatic carbonyl compounds with cobalt carbonyls
A. Sisak 48

Solution- and solid-state NMR study of intermediate η^3-allyl-cobalt tricarbonyl type complexes in 3-methyl-1,2-butadiene polymerization
G. Szalontai, J. Sóvágó, F. Ungváry 54

Preparation and molecular structures of benzyl- and phenylacetylcobalt carbonyls
C. Zucchi, A. Cornia, R. Boese, E. Kleinpeter, H. Alper, G. Pályi 61

Asymmetric hydroformylation of styrene using rhodium and platinum complexes of diphosphites containing atropisomeric backbones and chiral 1,3,2-dioxaphosphorinane moieties
S. Cserépi-Szűcs, G. Huttner, L. Zsolnai, J. Bakos 70

Coordination chemistry and hydroformylation activity of platinum complexes containing 1-aryl-phospholes
Z. Csók, G. Keglevich, G. Petőcz, L. Kollár 79

Comparative investigation of the regioselectivity in styrene and α-methylstyrene hydroalkoxycarbonylation as a function of palladium catalyst structure
C. Benedek, S. Törös, B. Heil 85

Homogeneous coupling and carbonylation reactions of steroids possessing iodoalkene moieties. Catalytic and mechanistic aspects
R. Skoda-Földes, J. Horváth, Z. Tuba, L. Kollár 94

Homogeneous catalytic hydroaminomethylation of steroids with aminoalcohols
E. Nagy, B. Heil, S. Törös 101

Asymmetric induction by amino acid ligands in chromium(II)-assisted reduction of ketones
J. Gyarmati, C. Hajdu, Z. Dinya, K. Micskei, C. Zucchi, G. Pályi 106

Author Index of Volume 586, Issue 1 110

Regular Papers

Derivatisierung der Brückenfunktion in homo- und heterodinuclearen μ-Bis(cyclopentadiendiyl)keton-Komplexen: Stereogenes Kohlenstoffatom und Vinyliden als Brücken zwischen zwei Cp-Liganden
J. Körnich, J. Heck 111

Synthesis, spectroscopic characterisation of 1,1,2,3,4,5-hexahydro-1,1-dicarboxylatotellurophenes and crystal structures of 1,1,2,3,4,5-hexahydro-1,1-di(benzoato)- and 1,1-di(4-nitrobenzoato)tellurophene
P.C. Srivastava, S. Bajpai, R.J. Butcher 119

Synthesis of Rh(I) and Ir(I) metal complexes with the first two chiral dithiolate ligands derived from carbohydrates
O. Pàmies, G. Net, A. Ruiz, C. Bo, J. Maria Poblet, C. Claver 125

N,N'-Unsubstituted amidinato metallacycle complexes of Group 13 metal alkyls: the crystal structure of trimeric $[\{Me_2Al(\mu\text{-}HNCPhNH)\}_3]$
J. Barker, D.R. Aris, N.C. Blacker, W. Errington, P.R. Phillips, M.G.H. Wallbridge 138

Reactions of partially solvated Grignard reagents with a ketone
A. Tuulmets, M. Sassian 145

Chloro(3- or 5-aminoquinoline)rhodium(I) organocomplexes showing N–H···Cl and C–H···Rh weak interactions
M.A. Garralda, R. Hernández, E. Pinilla, M.R. Torres 150

Asymmetric hydroformylation catalyzed by rhodium(I) complexes of novel chiral spiro ligands
Y. Jiang, S. Xue, K. Yu, Z. Li, J. Deng, A. Mi, A.S.C. Chan 159

Stereospecific cyclodimerization of 1-methylphosphole 1-oxide: a theoretical study
G.M. Keserű, G. Keglevich 166

Synthesis and crystal structure of a rhodium(III) complex bearing a hypervalent phosphorus(V) ligand as a bidentate ligand and equilibrium between bidentate and monodentate structures in solution
K. Toyota, Y. Yamamoto, K.-y. Akiba 171

Paramagnetic ruthenium(III) *ortho*-metallated complexes. Synthesis, spectroscopic and redox properties
P. Munshi, R. Samanta, G. Kumar Lahiri 176

Fluoride-ion-mediated reactions of trimethylsilylacetylene with carbonyl compounds and terminal acetylenes
E. Abele, K. Rubina, R. Abele, J. Popelis, I. Mazeika, E. Lukevics 184

Investigation of the reactivity of palladium(0) complexes with nitroso compounds: relevance to the palladium–phenanthroline catalysed carbonylation reactions of nitroarenes
E. Gallo, F. Ragaini, S. Cenini, F. Demartin 190

Reaction intermediates in the Pd/tppts-catalyzed aqueous phase hydrocarboxylation of olefins monitored by NMR spectroscopy (tppts = $P(C_6H_4\text{-}m\text{-}SO_3Na)_3$)
G. Verspui, I.I. Moiseev, R.A. Sheldon 196

Addition of nitrile oxides to 2,3-dihydrofurylsilanes. Crystal and molecular structure of tetrahydrofuro-[2,3-*d*]-isoxazolylsilanes
E. Lukevics, V. Dirnens, N. Pokrovska, I. Zicmane, J. Popelis, A. Kemme 200

A general synthesis of 2- or 3-alkyl substituted 5-hydroxymethyl-δ-valerolactones, precursors of 5-formyl-δ-valerolactones, via lithiated *N*-allyl(bisdimethylamino)-*N*-methylphosphoramide carbanions
P. Coutrot, C. Grison, C. Bômont 208

Formation of functionalized [3]ferrocenophane derivatives by an enamine condensation reaction
S. Knüppel, R. Fröhlich, G. Erker 218

Synthesis, characterization, and reactivity of titanium(IV) complexes supported by proximally bridged *p-tert*-butylcalix[4]arene ligands
O.V. Ozerov, N.P. Rath, F.T. Ladipo 223

Reactivity of BH_3 and 9-BBN towards palladium(II) complexes of diphenylvinyl- and diphenylallyl-phosphine; X-ray structures of $[PdCl_2(PPh_2CH_2CH_2CH_3)]_2$ and $[PdCl_2(PPh_2CH_2CH{=}CH_2)]_2$
S.J. Coles, P. Faulds, M.B. Hursthouse, D.G. Kelly, G.C. Ranger, A.J. Toner, N.M. Walker 234

Radiochemical study of the reaction between the diethylsilylium cation and benzene in gas and liquid phases: experimental and theoretical evidence for rearrangements of the diethylsilylium cation
T.A. Kochina, D.A. Vrazhnov, I.S. Ignatyev 241

Influence of the presence of heteroatoms in the olefin chain on the Pauson–Khand reaction with metal (Cr, W) carbene enyne complexes
J. Pares, J.M. Moretó, S. Ricart, J. Barluenga, F.J. Fañanás 247

Direct calculation of CO-factored force constants from $^{12}C^{16}O$ stretching frequencies in $LM(CO)_4$ molecules with C_{3v} symmetry
C. Kaya 254

Notes

An unusual norbornadiene coupling product: synthesis, characterization, and structure of the ruthenocene $(C_5Me_5)Ru(\eta^5\text{-}C_5H_4C_9H_{11})$
J.L. Brumaghim, G.S. Girolami 258

N-Heterocyclic carbenes: application of ruthenium–alkylidene complexes in ring-opening metathesis polymerization
U. Frenzel, T. Weskamp, F. J. Kohl, W.C. Schattenmann, O. Nuyken, W.A. Herrmann 263

Conference Calendar 267
Author Index of Volume 586 269
Subject Index of Volume 586 271
Contents of Volume 586 277